4100

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

KENNEDY et al.

Serial No.: 08/822,947

Filed: March 21, 1997

For: POSITION-BASED INTEGRATED

MOTION CONTROLLED CURVE

SAWING

Examiner: Bray

Art Unit: 3725

Batch No:

IV/P04111US3

## LETTER

Assistant Commissioner of Patents

Washington, D. C. 20231

SIR:

In response to the Notice of Allowability mailed September 28, 1998, new formal drawings are enclosed herewith.

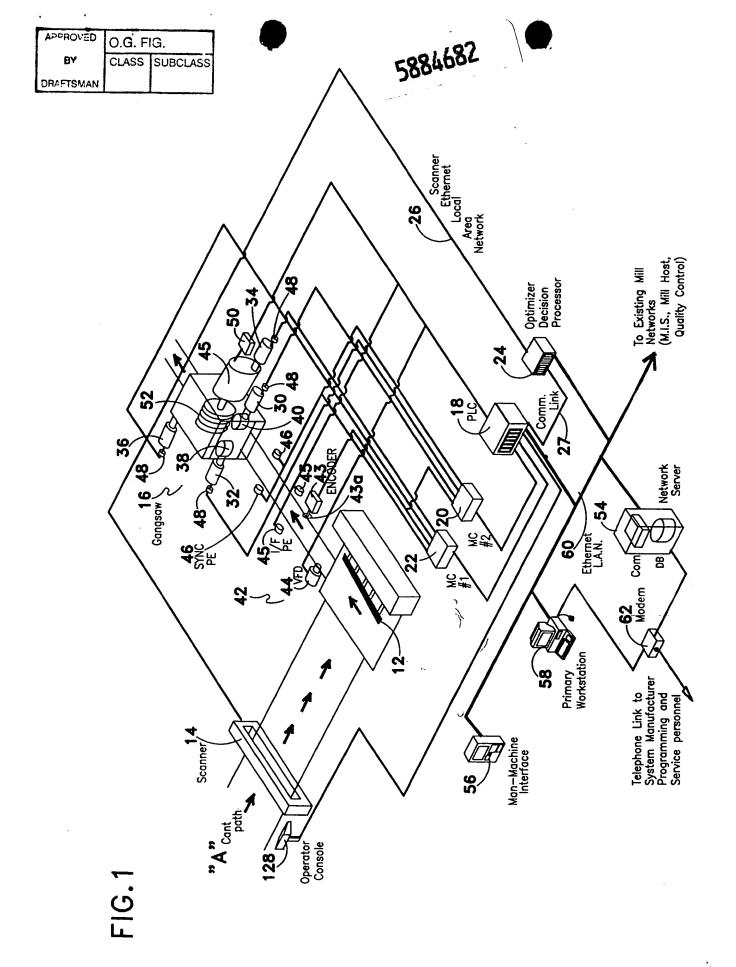
Respectfully submitted,

Date: December 16, 1998

Walter C. Gillis

Registration No. 22,086

LARSON & TAYLOR Transpotomac Plaza 1199 North Fairfax St., Ste. 900 Alexandria, Virginia 22314 (703) 739-4900 #14 WSB



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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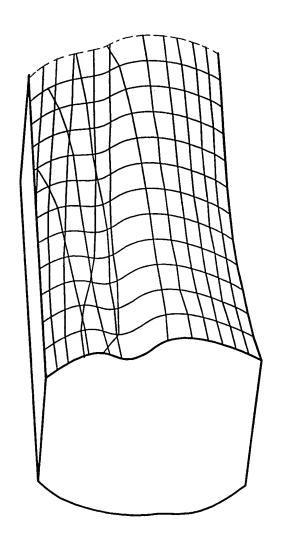
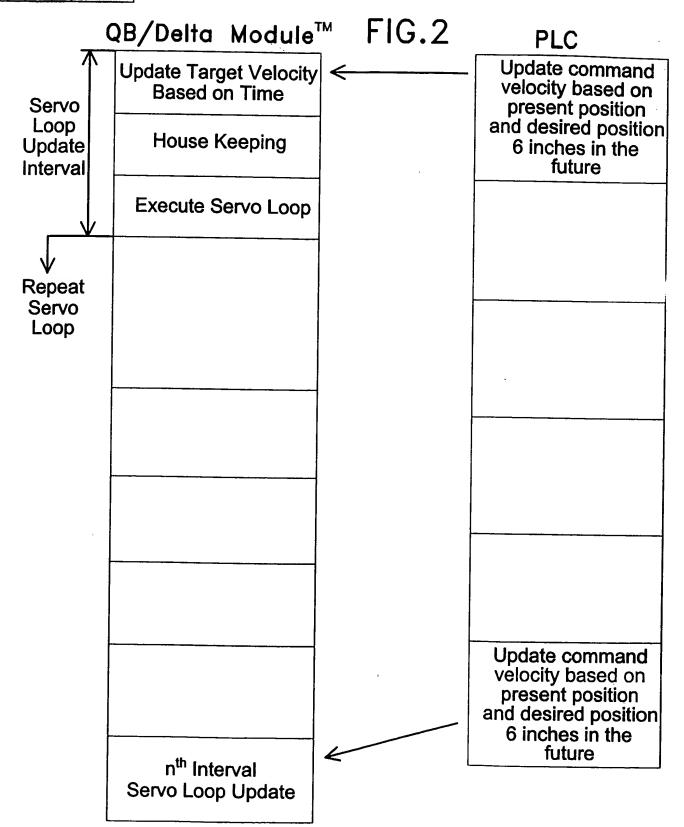
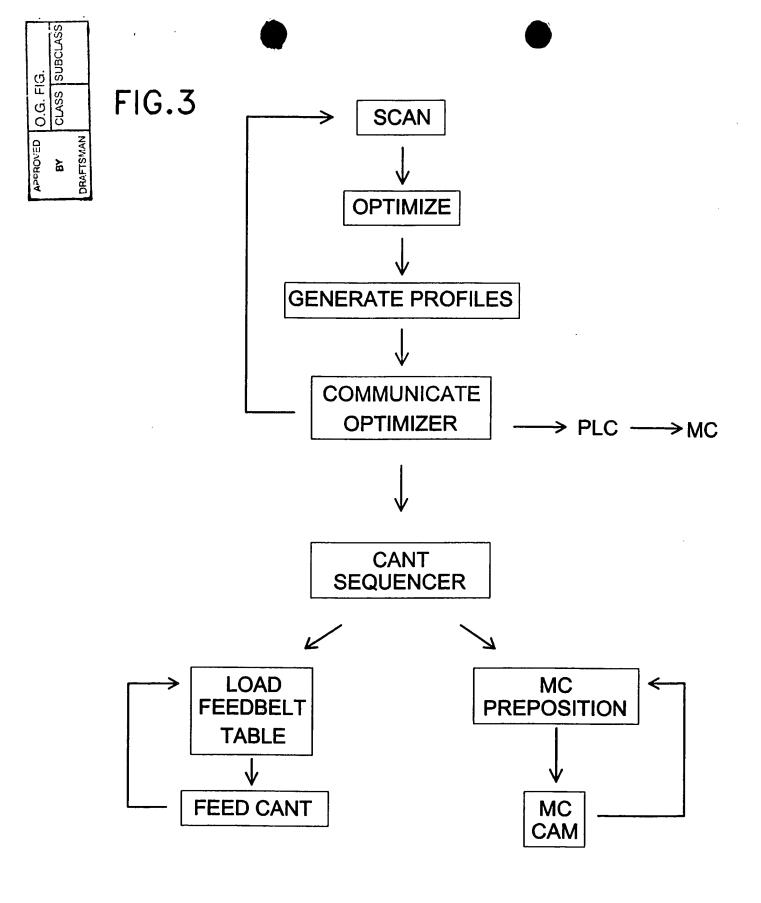
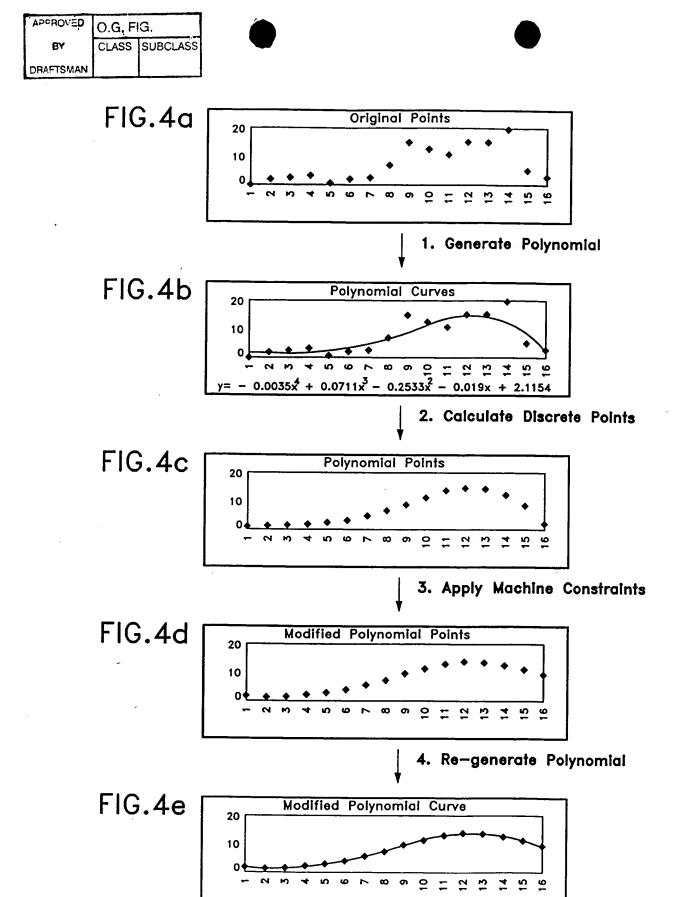


FIG.1a

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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APPROVED	O.G. FIG.	
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Fig	5a _	IMC Motion Control
		Supervisory Code
		I/O Network
		Update Encoder Position
		Update Target Position Based on Encoder Position
	Servo Loop Update	Update Target Position Based on Encoder Position
	Interval	Other Tasks
		etc.
		etc.
		Calculate Servo Loop and Update
		Calculate Servo Loop and Update
Þ	√ epeat	Supervisory Code
5	Servo Loop	I/O Network
		·

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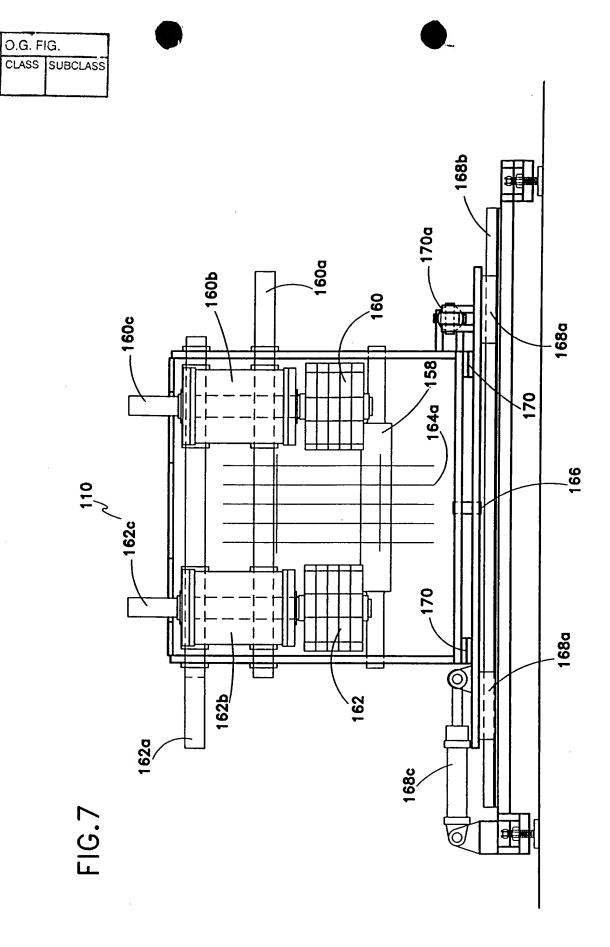
APPROVED	O.G. FIG.	
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pivot line Pn(x) chip head 2 line Po(x) chip head 1 line P(x) solution line chip head axis (X2,Y2) saw box CL 첫 0 (X1,Y1) 0 (Xh,Yh) Xset (Xp,Yp) pivot axis (Xs,Ys) saw line Y poffset line

Fig 5b

APPROVED O.G. FIG. CLASS SUBCLASS BY DRAFTSMAN 156a 156 0 156a 1,68b 0 0 156a. 156 0 156a -156 156a

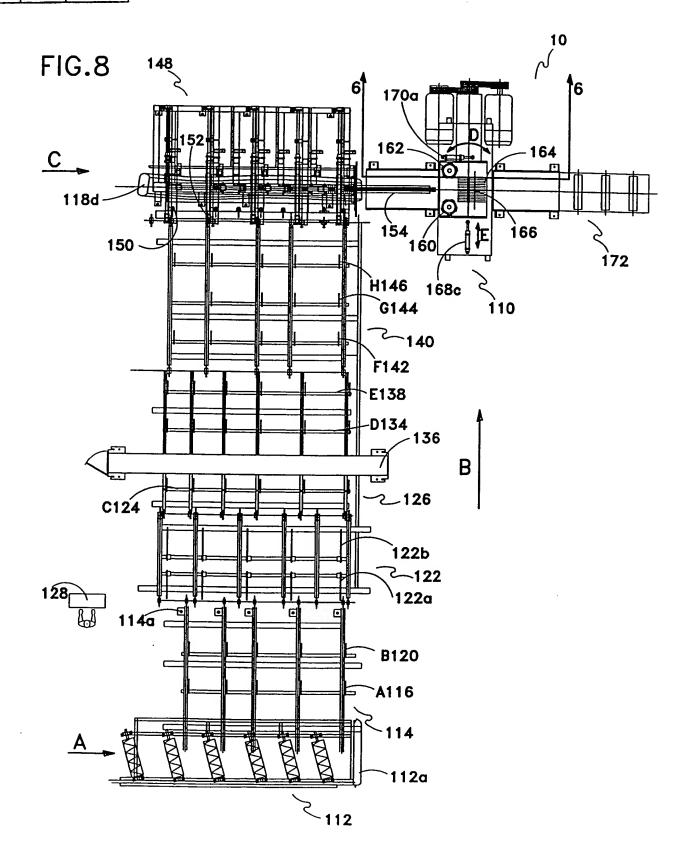
F 6.0

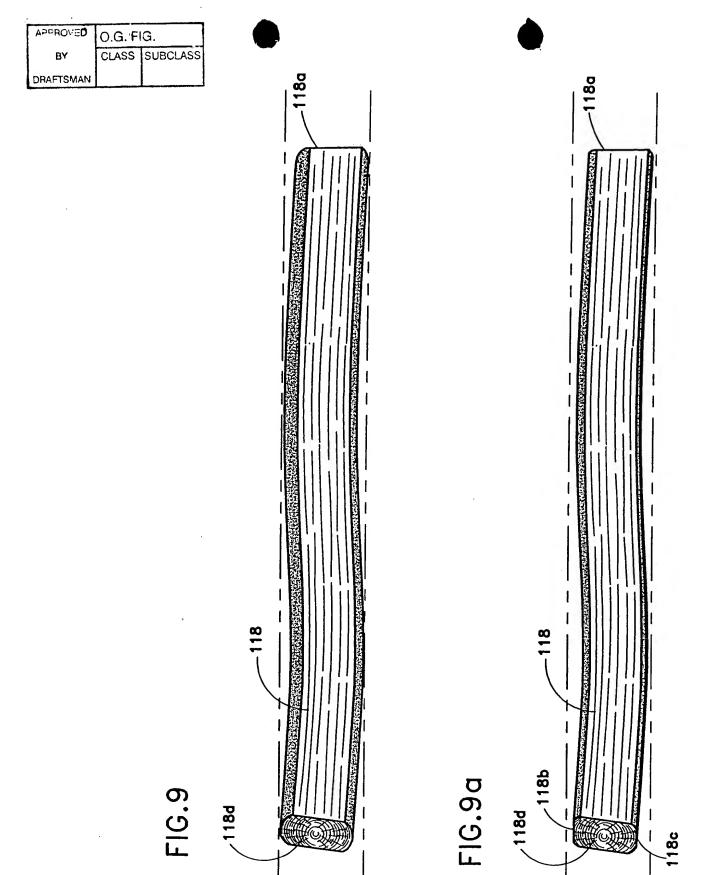


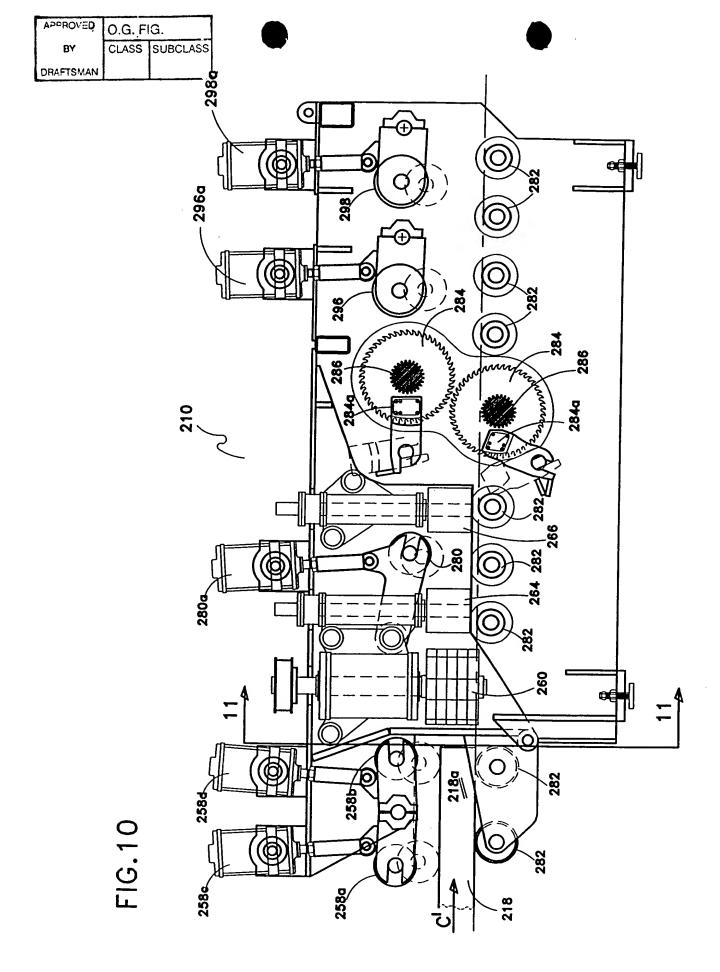
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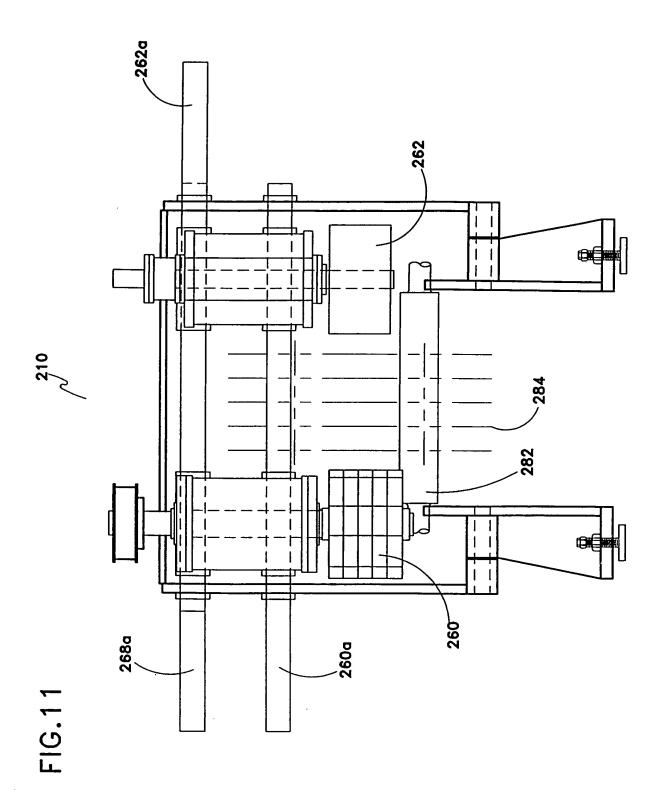
APPROVED	O.G. FIG.	
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APPROVED'	O.G. FIG.	
BY	CLASS	SUBCLASS
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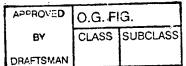
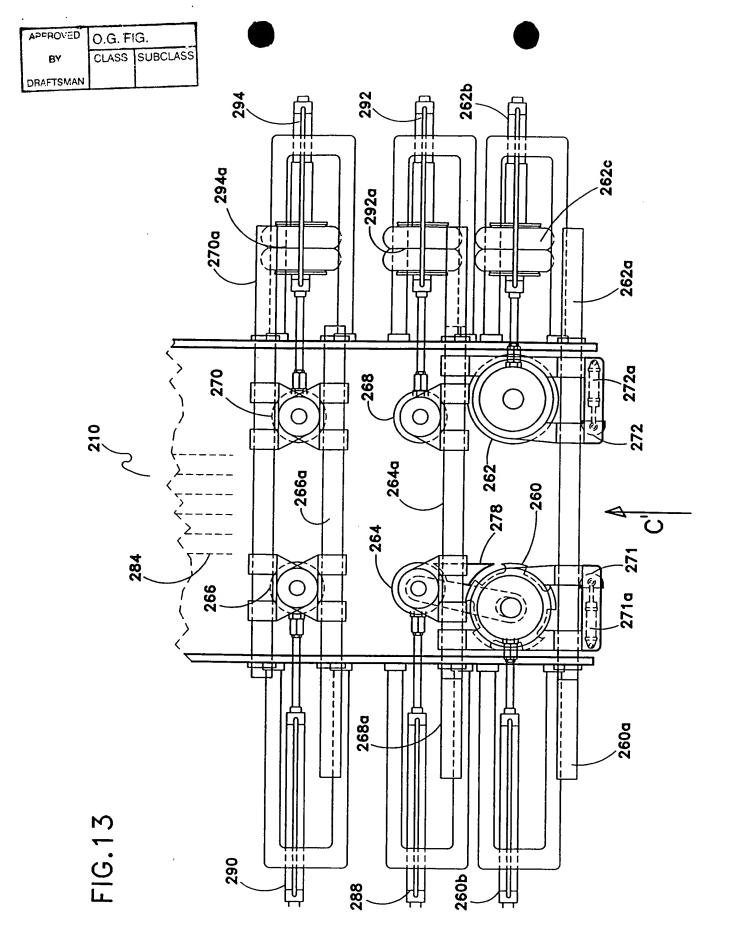
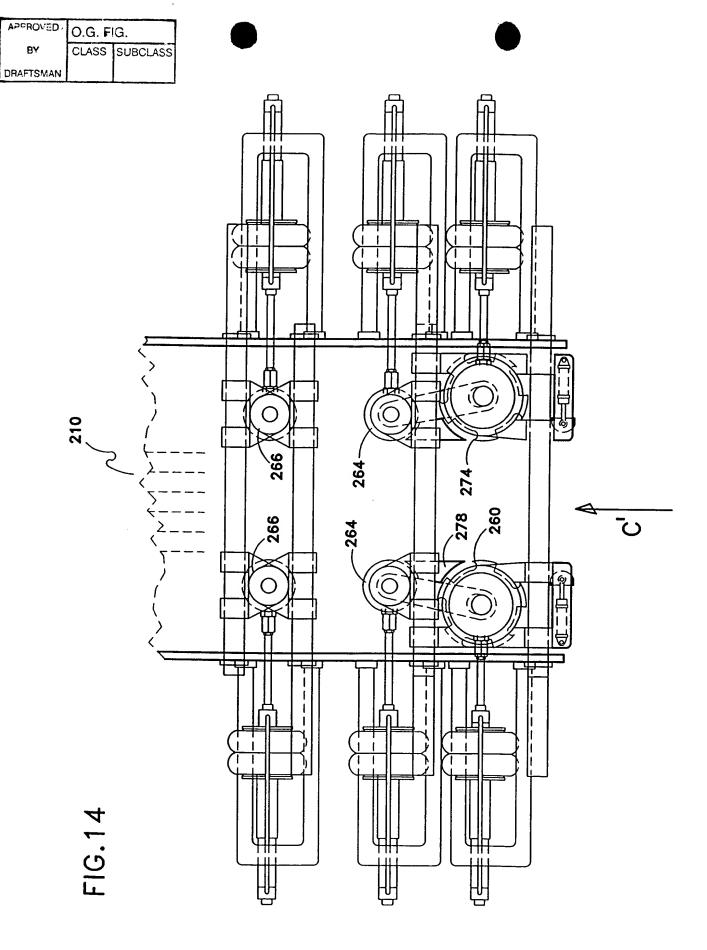


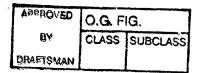
FIG. 12 252 256a 256 248 254 260 218 282 250 -262 210 H246 G244 <sup>2</sup>—240 F242 E238 -D234 -236 B' **226** C224 **222b** 228 ~222 222a 214a c **B220** A216

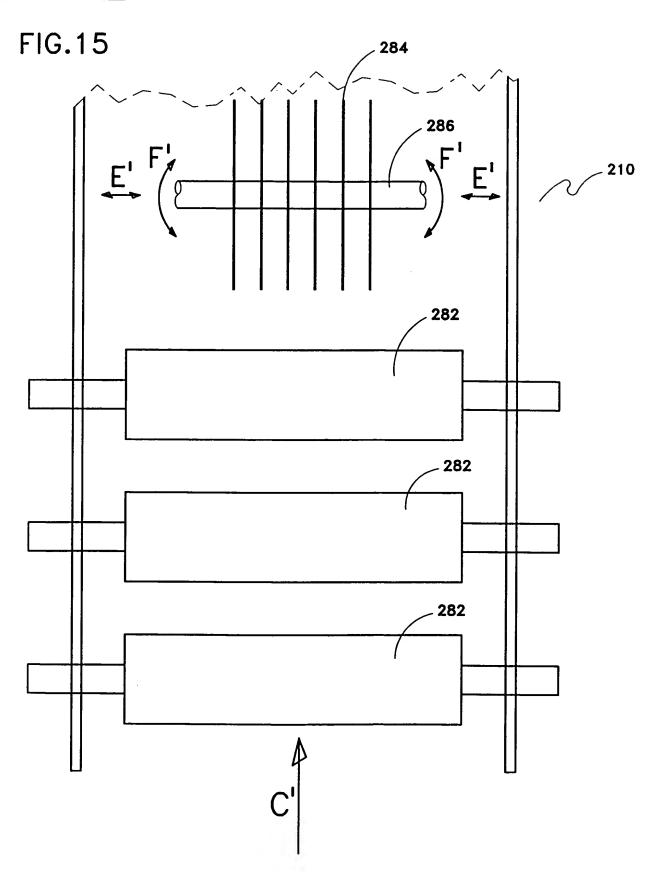
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APPROVED O.G. FIG.
BY CLASS SUBCLASS
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FIG. 16

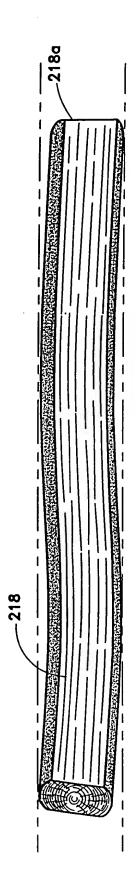
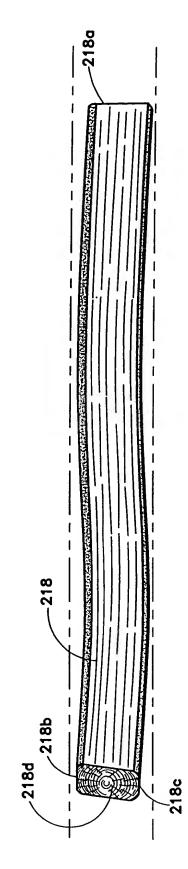
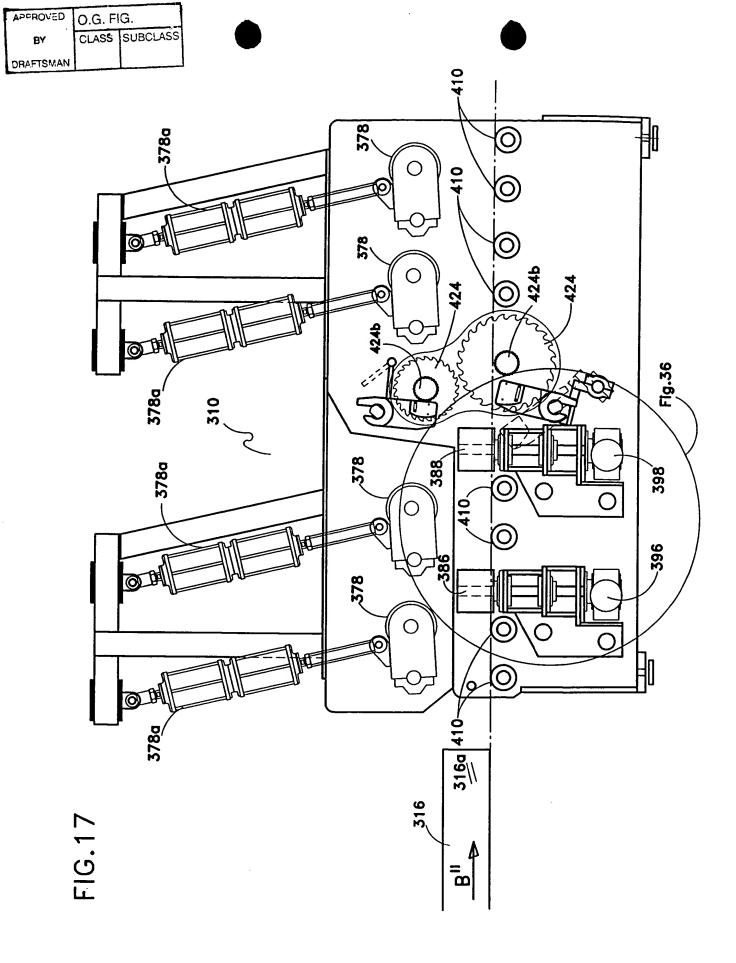
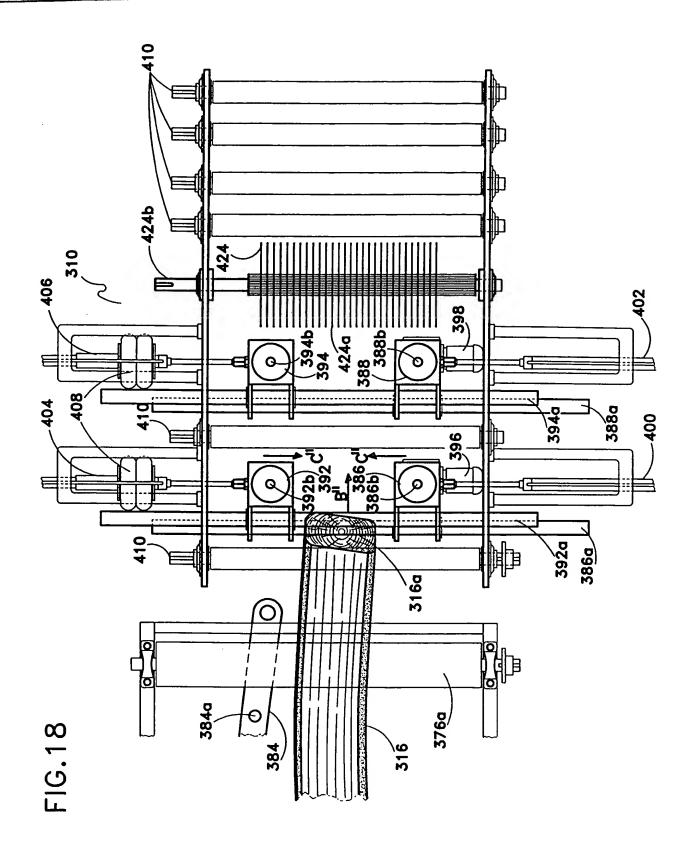


FIG. 16a





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APPROVED'	O.G. FIG.	
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DRAFTSMAN -378 388-394a 388a -386 -396 -378 386a

APPROVED'

BY

O.G.'FIG.

CLASS SUBCLASS

APPROVED	O.G. FIG.	
BA	CLASS	SUBCLASS
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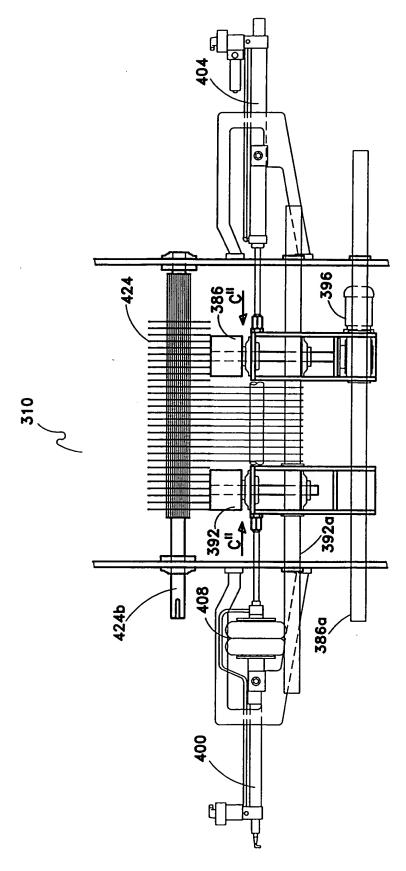


FIG.21

APEROVED O.G. FIG.
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FIG. 20

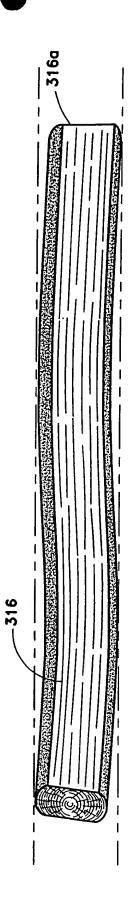


FIG. 20d

